

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Nguyen et al. )

Serial No.: 09/851317 )

Filed: 5/9/2001 )

For: Apparatus and Method to Reduce Size and  
Complexity of Reconstruction Filters in a Multi-  
Protocol Transmitter )

Attorney's Docket No: 4015-5122 )

Group Art Unit: 2661

Commissioner for Patents  
Washington, D.C. 20231

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REVOCATION AND POWER OF ATTORNEY  
WITH STATEMENT UNDER 27 CFR 3.73 (b)  
AND CHANGE OF CORRESPONDENCE ADDRESS

Sir:

Ericsson Inc., a corporation, certifies that it is the assignee of the entire right, title and interest in and to the above-entitled U.S. patent application, and the invention disclosed therein, by virtue of the assignment from the inventor(s) to Ericsson Inc. recorded in the Patent and Trademark Office at Reel/Frame 011781/0491. A copy of the assignment is attached hereto.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, Ericsson Inc. is the assignee of the entire right, title and interest in the U.S. patent application identified.

Ericsson Inc. hereby revokes all previous Powers of Attorney and appoints as my attorneys and/or agents with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office, and in countries other than the United States, and to do all things necessary or appropriate therefore before any competent International Authorities in connection with any international patent application(s) corresponding to the above-identified application, all of

the registered practitioners of the law firm of Coats & Bennett, P.L.L.C. identified by  
Customer Number 24112:

and the following Ericsson Inc. attorneys and/or agents: Stephen A. Calogero, Reg. No.  
41,491; Mark C. Terrano, Reg. No. 40,200; Jon Han, Reg. No. 41,403; Sidney  
Weatherford, Reg. No. 45,602; and Roger Burleigh, Reg. No. 40,542.

Please address all future correspondence to

David E. Bennett  
Coats & Bennett, P.L.L.C.  
1400 Crescent Green, Suite 300  
Cary, North Carolina 27511

Please direct all telephone calls about this application and the resulting patent to:

David E. Bennett  
Telephone: (919) 854-1844

The undersigned is empowered to sign this statement on behalf of the assignee.

7/29/2003  
Date

Stephen A. Calogero  
Stephen A. Calogero, Reg. No. 41,491  
Division IP Counsel

Ericsson Inc.  
8001 Development Drive  
Research Triangle Park, NC 27709  
Tel: (919) 472-1154  
Fax: (919) 472-7449

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Assign. Bd



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

JULY 26, 2001

PTAS



\*101716549A\*

HARRITY & SNYDER L.L.P.  
ALAN PEDERSEN-GILES  
11240 WAPLES MILL ROAD  
SUITE 300  
FAIRFAX, VIRGINIA 22030

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/09/2001

REEL/FRAME: 011781/0491  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BENGTSSON, ERIK

DOC DATE: 05/02/2001

ASSIGNOR:  
NGUYEN, CONG

DOC DATE: 04/18/2001

ASSIGNEE:  
ERICSSON INC.  
8001 DEVELOPMENT DRIVE  
RESEARCH TRIANGLE PARK  
NORTH  
CAROLINA  
27709

SERIAL NUMBER: 09851317  
PATENT NUMBER:

FILING DATE: 05/09/2001  
ISSUE DATE:

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011781/0491 PAGE 2

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Attorney's Docket No. P12576-US1 BMOT

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy(ies) thereof.

## 1. Name of conveying party(ies):

Erik BENGTTSSON and Cong NGUYEN

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name

Other:

Execution Dates: April 18 and May 2, 2001

## 2. Name and address of receiving party(ies):

Name: Ericsson Inc.

Address: 8001 Development Drive  
Research Triangle Park, North Carolina  
27709

Additional name(s) &amp; address(es) attached?

☐ Yes☒ NoJ1046 U.S. PTO  
09/05/01

05/09/01

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution dates of the application are: April 18 and May 2, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence should be mailed:

Name: Alan Pedersen-Giles

Address: HARRITY & SNYDER, L.L.P.  
11240 Waples Mill Road  
Suite 300  
Fairfax, Virginia 2203026615  
PATENT TRADEMARK OFFICE

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorization to be charged to deposit account, if necessary.

## 8. Deposit account number:

50-1070

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Alan Pedersen-Giles

Reg. No. 39,996

Name of Person Signing

Signature

May 9, 2001

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

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JOINT INVENTION  
(Worldwide Rights)

## ASSIGNMENT

WHEREAS, WE, the below named inventors (hereinafter referred to as Assignors), have made an invention entitled:

APPARATUS AND METHOD TO REDUCE SIZE AND COMPLEXITY OF  
RECONSTRUCTION FILTERS IN A MULTI-PROTOCOL TRANSMITTER

for which we filed an application for patent concurrently herewith; and

WHEREAS, Ericsson Inc., a corporation of Delaware, having registered offices in Research Triangle Park, North Carolina, 27709, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of valuable consideration, we as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

Atty. Docket No. P12576-US1-BMOT

IN TESTIMONY WHEREOF, WE have hereunto set our hand.

Erik Bengtsson  
Nya vattentornet  
Lund 22183 SWEDEN

Cong Nguyen  
6202 Chesden Drive  
Durham, North Carolina 27713

Signature: \_\_\_\_\_

Signature: Cong Nguyen

Date: \_\_\_\_\_

Date: 04/18/2001\_\_\_\_\_  
Witness

Barbara A. Friedewill  
Witness

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Atty. Docket No. P12576-US1-BMOT

Technology Center 2600

**JOINT INVENTION  
(Worldwide Rights)****ASSIGNMENT**

WHEREAS, WE, the below named inventors (hereinafter referred to as Assignors), have made an invention entitled:

**APPARATUS AND METHOD TO REDUCE SIZE AND COMPLEXITY OF  
RECONSTRUCTION FILTERS IN A MULTI-PROTOCOL TRANSMITTER**

for which we filed an application for patent concurrently herewith; and

WHEREAS, Ericsson Inc., a corporation of Delaware, having registered offices in Research Triangle Park, North Carolina, 27709, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of valuable consideration, we as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that



Atty. Docket No. P12576-US1-BMOT

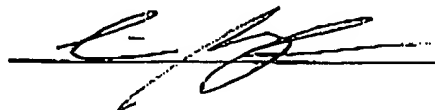
any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, WE have hereunto set our hand.

Erik Bengtsson  
Runslingan 4a  
Lund, SWEDEN 22477

Cong Nguyen  
6202 Chesden Drive  
Durham, North Carolina 27713

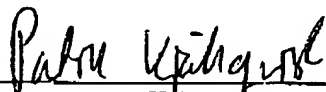
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1400 Crescent Green, Suite 300 Cary, North Carolina 27511 (919) 854-1844 Facsimile: (919) 854-2084

**TO:** Group Art Unit 2661 (TC 2600)  
**COMPANY:** USPTO  
**FAX:** (703) 308-5401  
**FROM:** David E. Bennett  
**DATE:** August 1, 2003  
**FILE NO:** 09/851317 (Our Ref. No.: 4015-5122)

Pages including cover sheet: 10

**COMMENTS:**

To whom it may concern,

It is kindly requested that the Revocation and new Power of Attorney attached be processed and USPTO records be updated. Should you have any questions or concerns regarding this communication, please do not hesitate to contact our office for clarification.

Respectfully submitted,  
David E. Bennett  
Attorney for Applicant

**NOTE:** This information is privileged and confidential and intended ONLY for the individual or entity named above. If you should receive this transmission in error, please notify our office and return the original to the above address via the U.S. Postal Service.

Operator: AGS